Amendments to the Specification

Please replace the paragraph beginning at column 1, line 15 with the following amended paragraph:

A typical consumer-oriented television viewing and recording system may include several modular units in addition to a television receiver or monitor. A video recorder (VCR) is commonly used for the recording of broadcast programming and the playback of pre-recorded cassettes. When the broadcasts are received over a cable system, a separate cable tuner/descrambler or "cable box" is commonly employed to decipher premium or "pay" channels. Other associated units may further be included, such as a receiver to tune and de-scramble programs broadcast via satellite.

Please replace the paragraph beginning at column 2, line 13 with the following amended paragraph:

In a preferred embodiment of the invention, the associated unit contains a multi-channel tuner, and the video recorder is adapted to receive and analyze the R.F. output signal from the tuner to determine its operation in response to the test control codes. When the associated unit is a cable tuner/descrambler, the video recorder derives a video signal from the R.F. output of the tuner/descrambler and analyzes the synchronization of the video signal to identify the tuned channel. When the associated unit is a television receiver, the video recorder is adapted to receive and analyze an acoustic signal generated by the T.V.

Please replace the paragraph beginning at column 4, line 33 with the following amended paragraph:

This routine is continued until a video signal is detected, in which case the box 133 causes storage in a

non-volatile section of the code memory 106, of a code signifying the identity of the detected cable brand and the routine proceeds to block 134, which will be subsequently described.· Alternatively, if the list of cable brand codes is exhausted, without the recognition of any video signal, the block 135 causes the controller 100 to use a signal from a memory 126 to cause the generation of a message on channel 3, for display by the receiver 26, indicating that no signal source is connected to the V.C.R., and the initialization routine is ended. If the routine of box 122 determines that there are multiple channels being provided to the tuner 46, this indicates that the V.C.R. 22 is connected to a multi-channel signal source rather than to a cable box. Block 130, detecting this condition, stores a marker signal in the controller 100 which disables the subsequent cable box control routine during later use of the system. This is indicated by box 132. The system then goes into a routine to determine the control codes for the associated television memory receiver or monitor 26, indicated in box 134. The code 106 contains a read only memory storing the remote control codes for all brands of T.V. receivers. Each brand has its own unique set of control codes. Box 134 determines the brand of the associated T.V. receiver 26 and thus its control codes in the manner illustrated in detail in FIG. 3 which is a detailed version of box 134. In block 200, the controller 100 first sequentially transmits the "On" or energization codes for all brands of T.V.'s stored in the code memory 106. It then generates infrared control codes consisting of a sequence of 10 "volume down" pulses for each of the T.V. brands stored in memory 106. This routine ensures that the associated T.V. is energized and its volume setting is at a very low level. Next, a value "Y", identifying a particular brand of T.V. receiver as stored in

the memory 106, is set to a value of 1 in box 202. Next, as indicated in box 204, a 2000 hertz audio signal is modulated at 94 and provided to the tuner 70 of the T.V. receiver 26. Then the controller 100 causes the transmitter 108 to transmit codes selecting channel 3, and a series of ten "volume up" control codes for T.V. receiver brand Y. During this process, the controller 100 analyzes the output of the microphone 112, as amplified and shaped by box 114, to detect a 2000 hertz audio signal. If the signal is detected during the generation of the volume up codes for a brand Y, as indicated in block 206, block 210 recognizes the associated T.V. receiver as a brand Y, and this information is stored in the code memory 106. If no 2000 hertz audio signal is detected by the microphone 112, the value of Y in box 202 is incremented by one as signified by box 208, and the routine is repeated. The identity of the T.V. brand is stored in non-volatile code memory 106. Non-volatile memory may constitute flash memory or the like or volatile memory backed up by a battery.